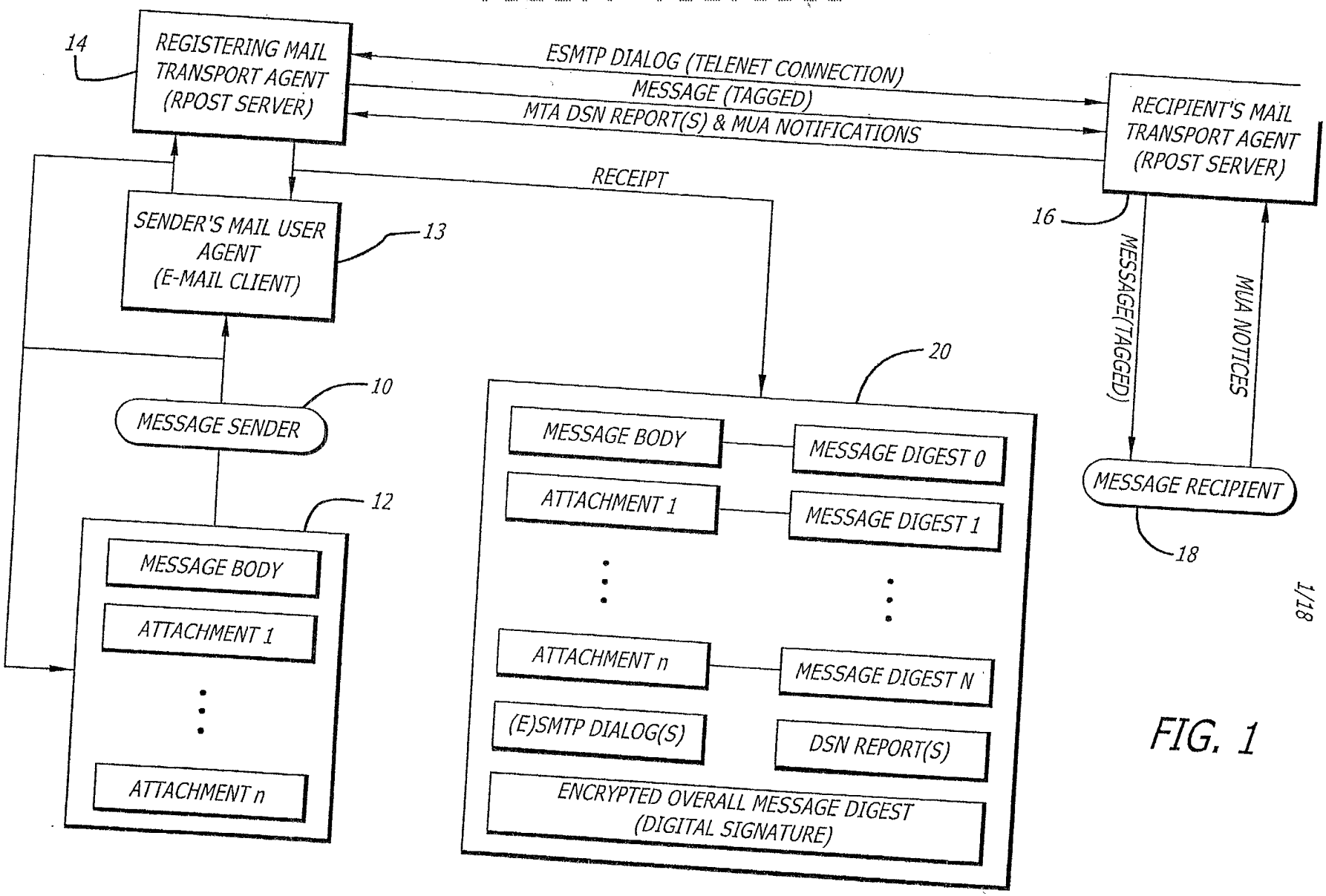
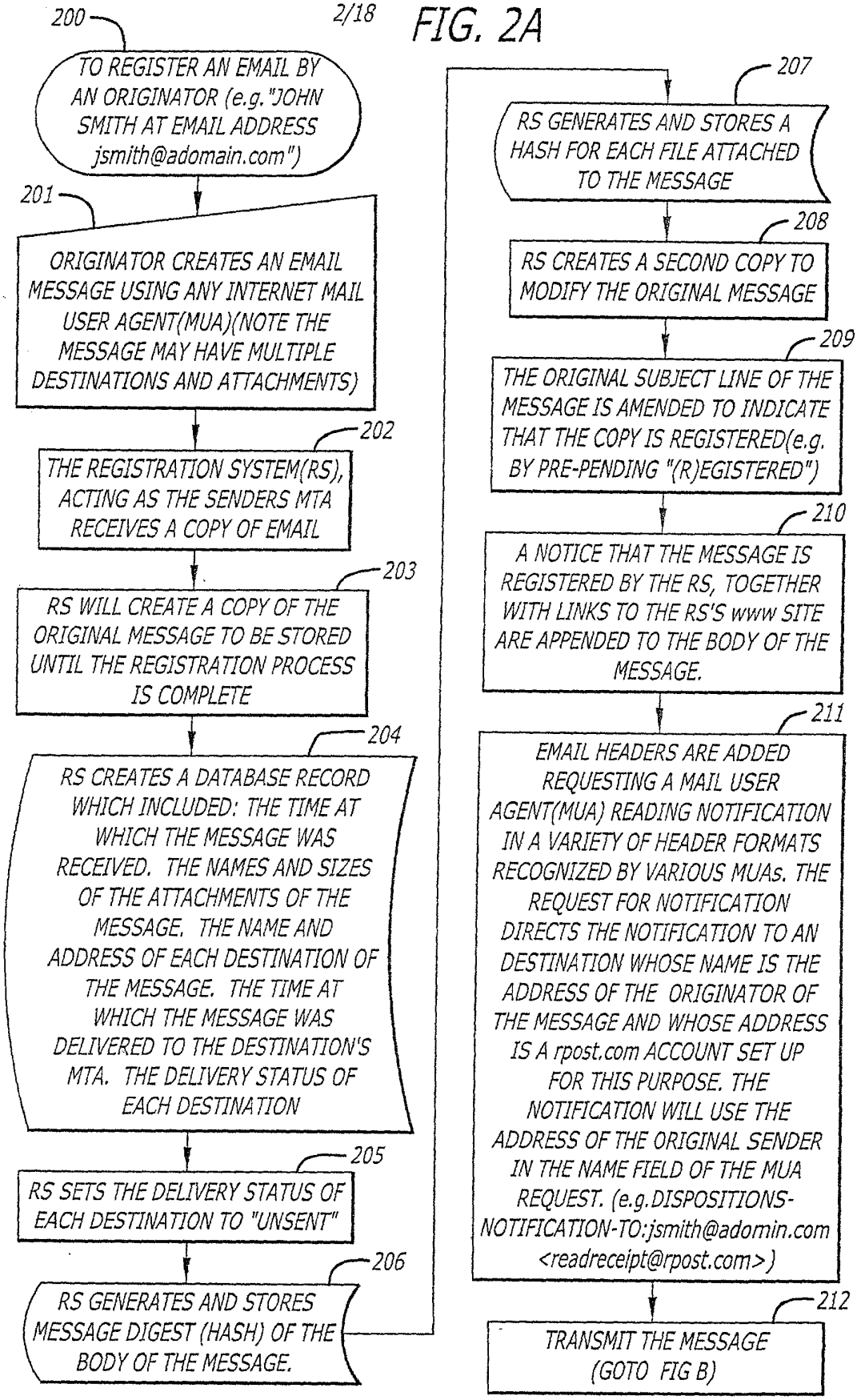

14
REGISTERING MAIL TRANSPORT AGENT (RPOST SERVER)
ESMTP DIALOG (TELENET CONNECTION)
MESSAGE (TAGGED)
MTA DSN REPORT(S) & MUA NOTIFICATIONS
RECIPIENT'S MAIL TRANSPORT AGENT (RPOST SERVER)
RECEIPT
16
SENDER'S MAIL USER AGENT (E-MAIL CLIENT)
13
MESSAGE(TAGGED)
MUA NOTICES
20
10
MESSAGE SENDER
MESSAGE BODY
MESSAGE DIGEST 0
ATTACHMENT 1
MESSAGE DIGEST 1
MESSAGE RECIPIENT
18
12
MESSAGE BODY
ATTACHMENT 1
ATTACHMENT n
MESSAGE DIGEST N
(E)SMTP DIALOG(S)
DSN REPORT(S)
ENCRYPTED OVERALL MESSAGE DIGEST (DIGITAL SIGNATURE)

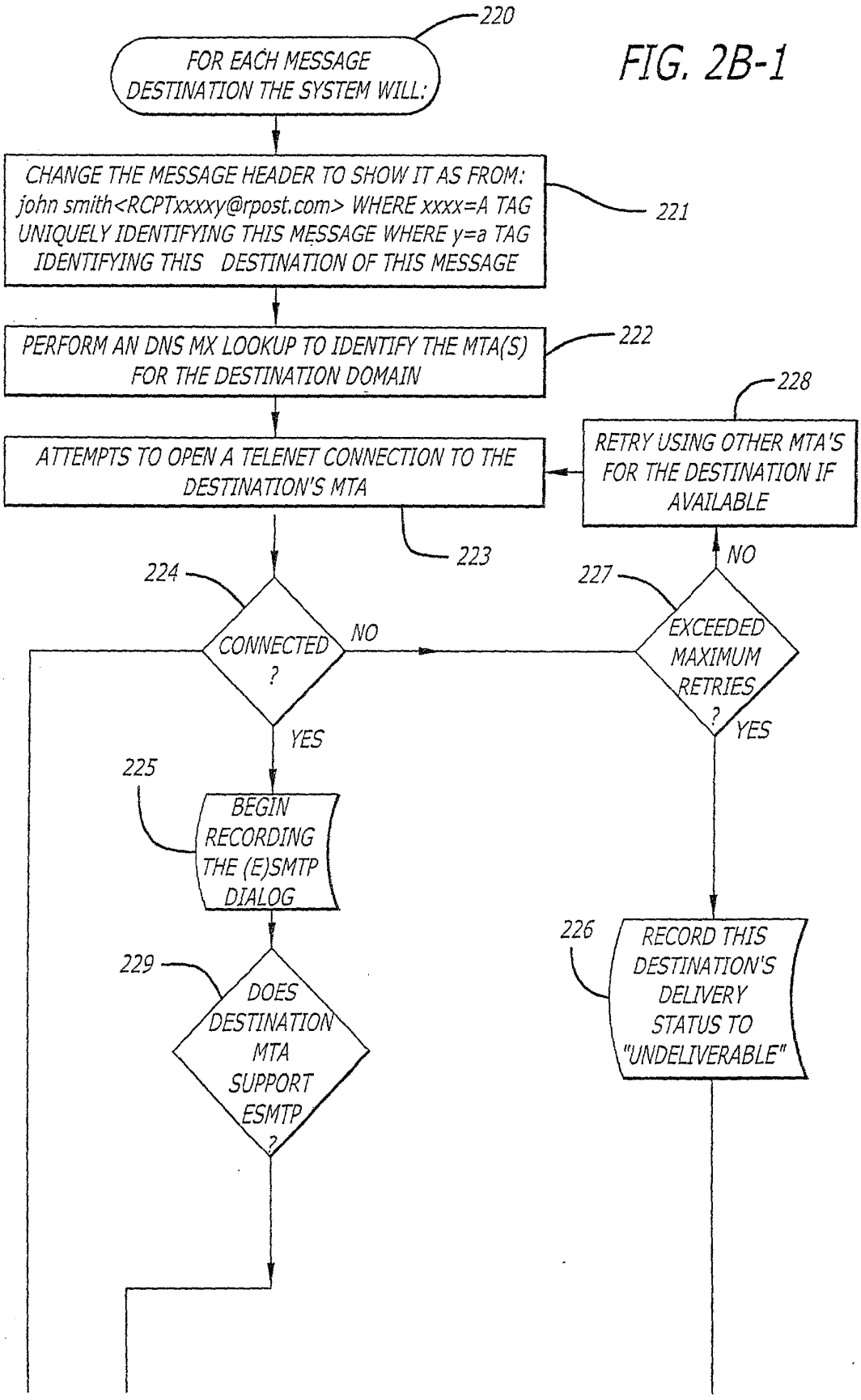
FIG. 1

FIG. 2A



Docket No. 1200-5

FIG. 2B-1



Attorney Docket No. 95521-1001

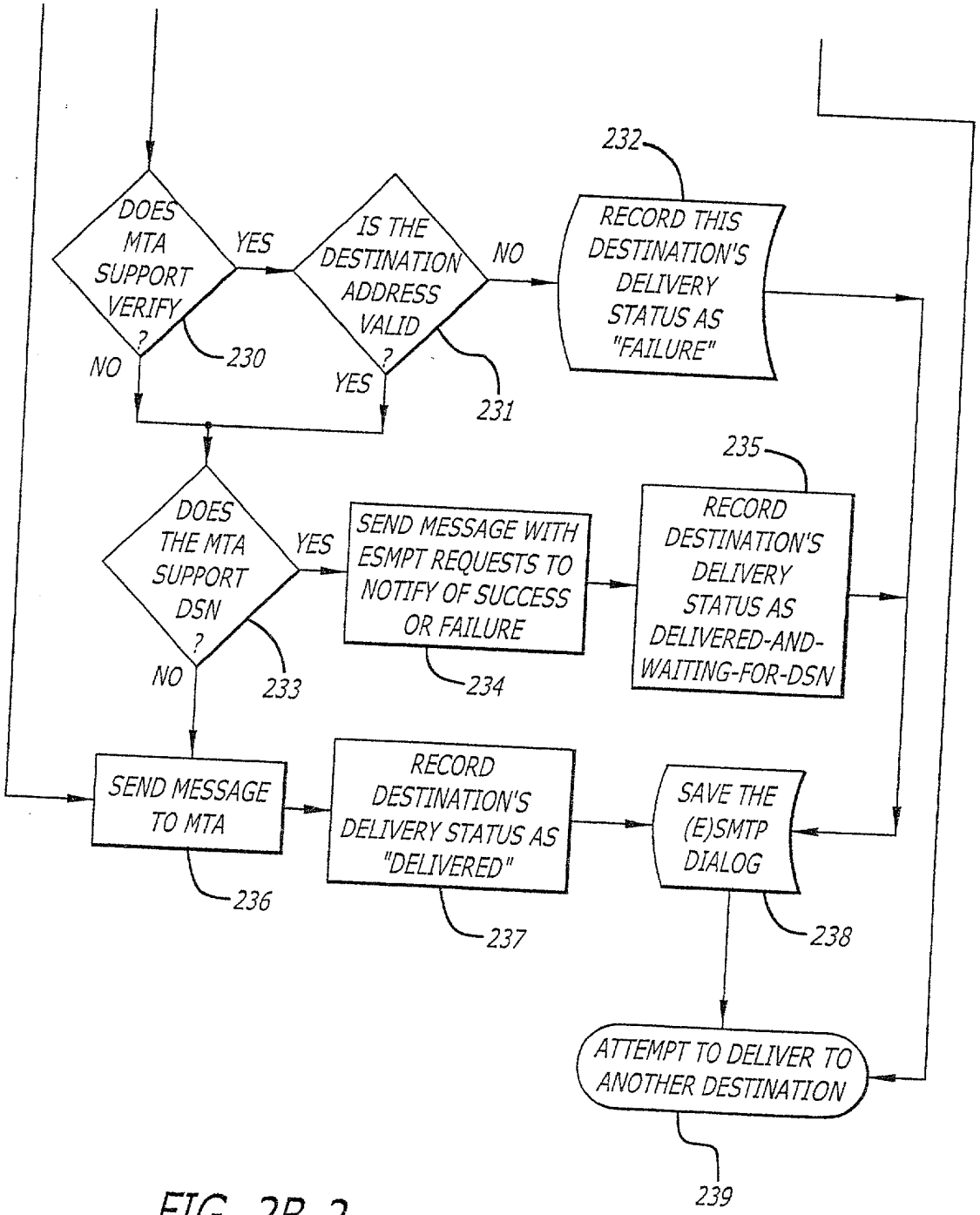

DOES MTA SUPPORT VERIFY ?
YES
IS THE DESTINATION ADDRESS VALID ?
NO
232
RECORD THIS DESTINATION'S DELIVERY STATUS AS "FAILURE"
NO
230
YES
231
DOES THE MTA SUPPORT DSN ?
YES
SEND MESSAGE WITH ESMPT REQUESTS TO NOTIFY OF SUCCESS OR FAILURE
235
RECORD DESTINATION'S DELIVERY STATUS AS DELIVERED-AND-WAITING-FOR-DSN
NO
233
234
SEND MESSAGE TO MTA
RECORD DESTINATION'S DELIVERY STATUS AS "DELIVERED"
SAVE THE (E)SMTP DIALOG
236
237
238
ATTEMPT TO DELIVER TO ANOTHER DESTINATION
239

FIG. 2B-2

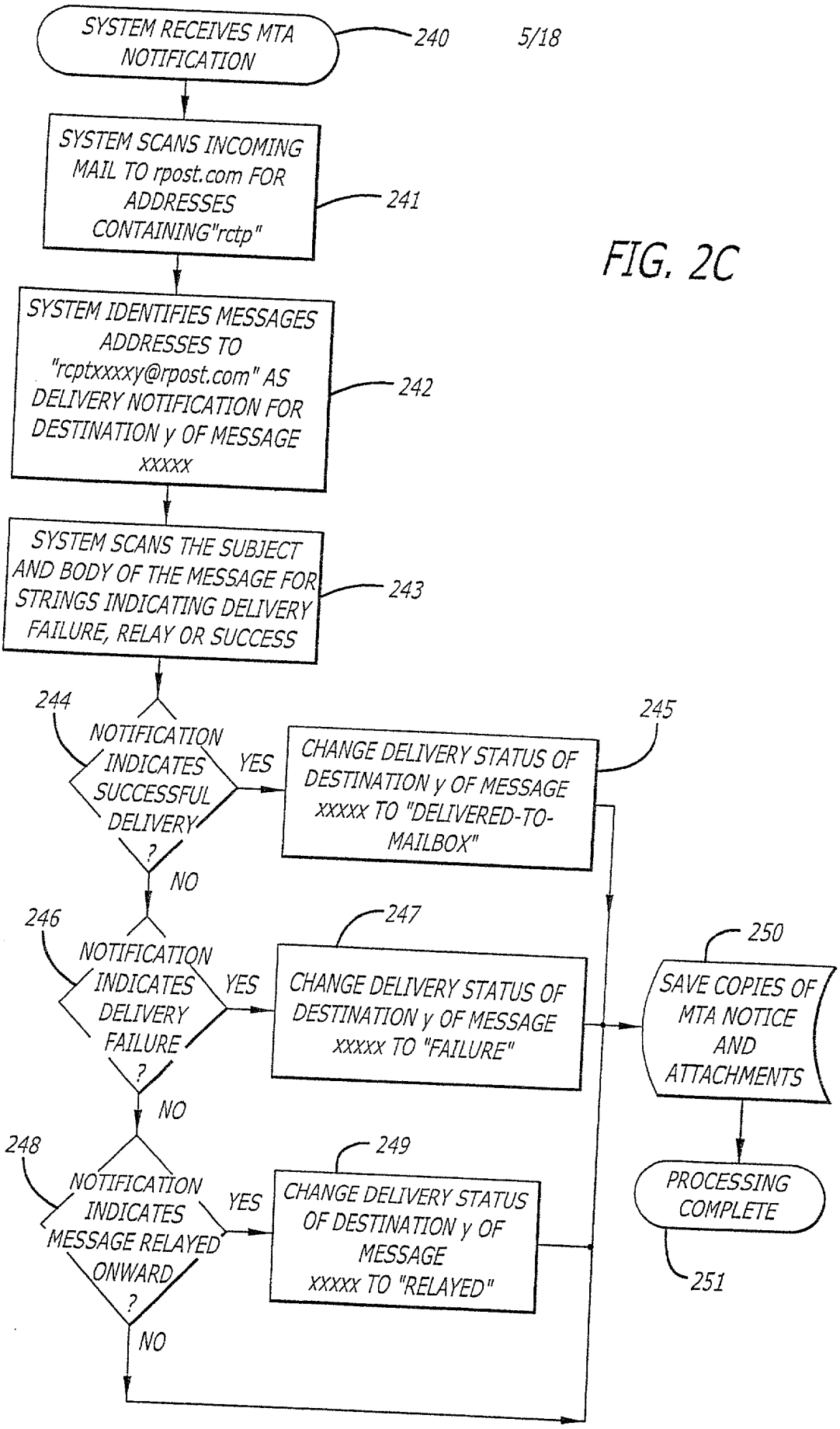


FIG. 2C

Patent Application Publication

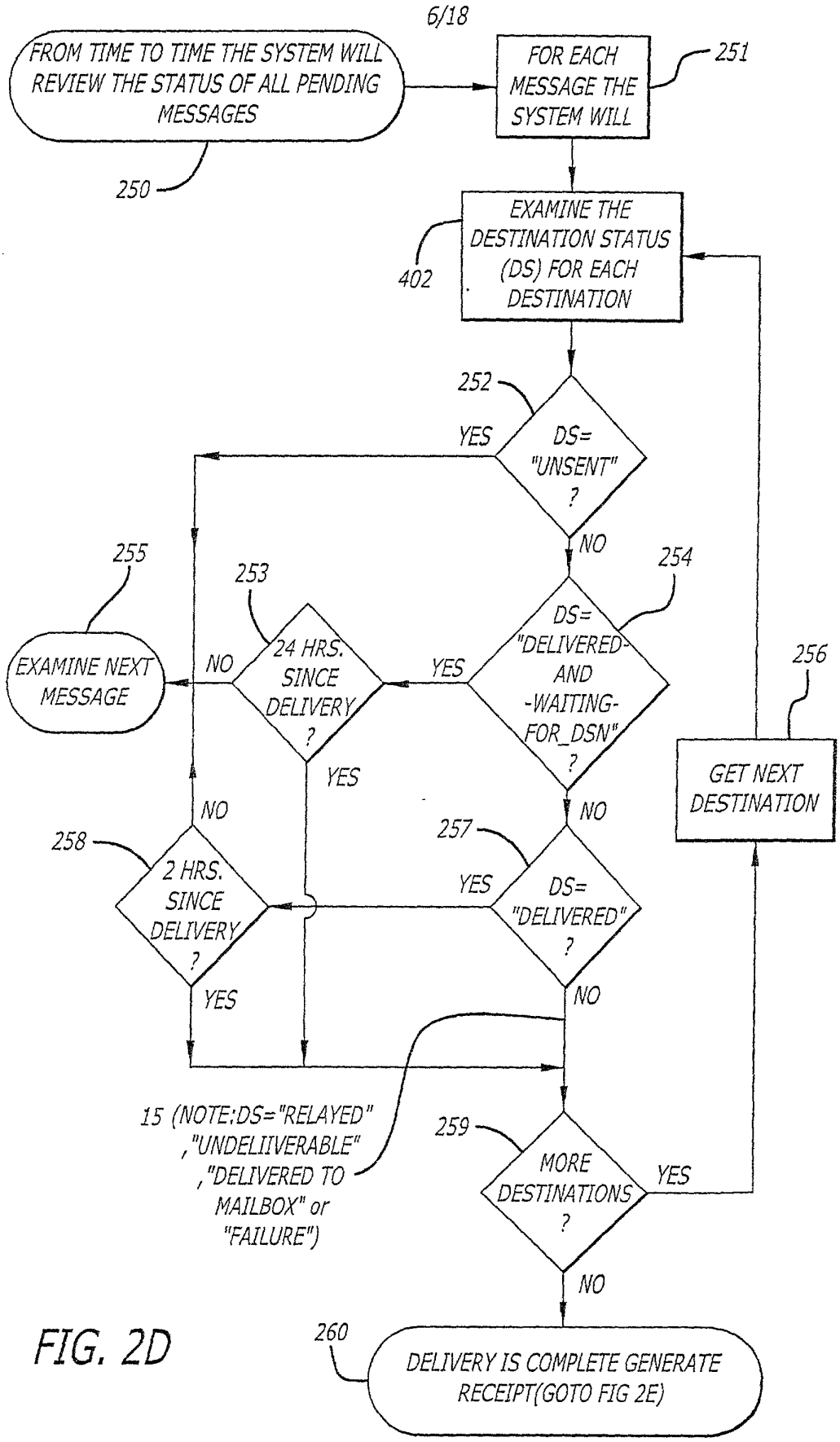
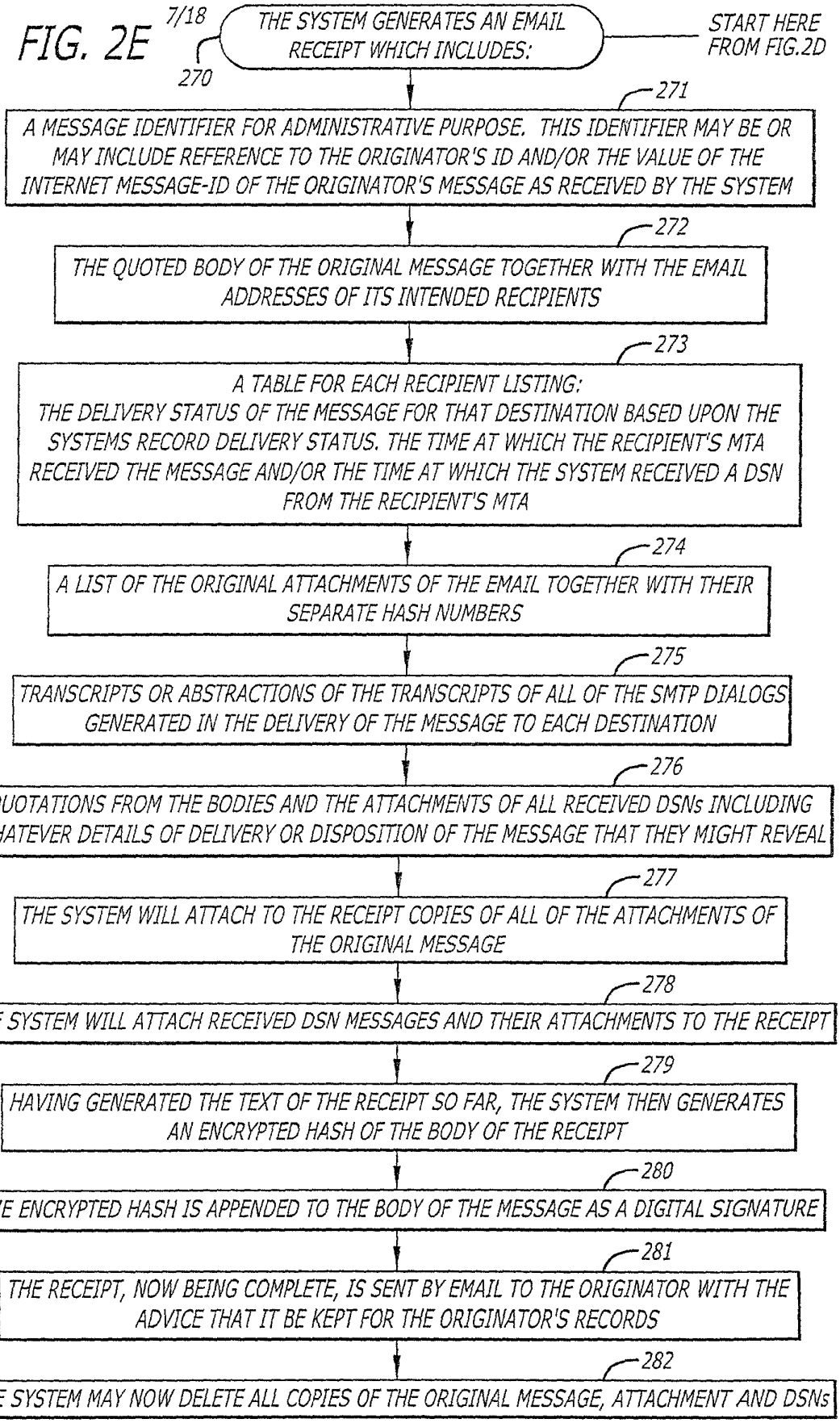


FIG. 2D

Docket: 1-1-1-1-1-1-1-1

FIG. 2E



Doc Code: AP.PRE.REQ

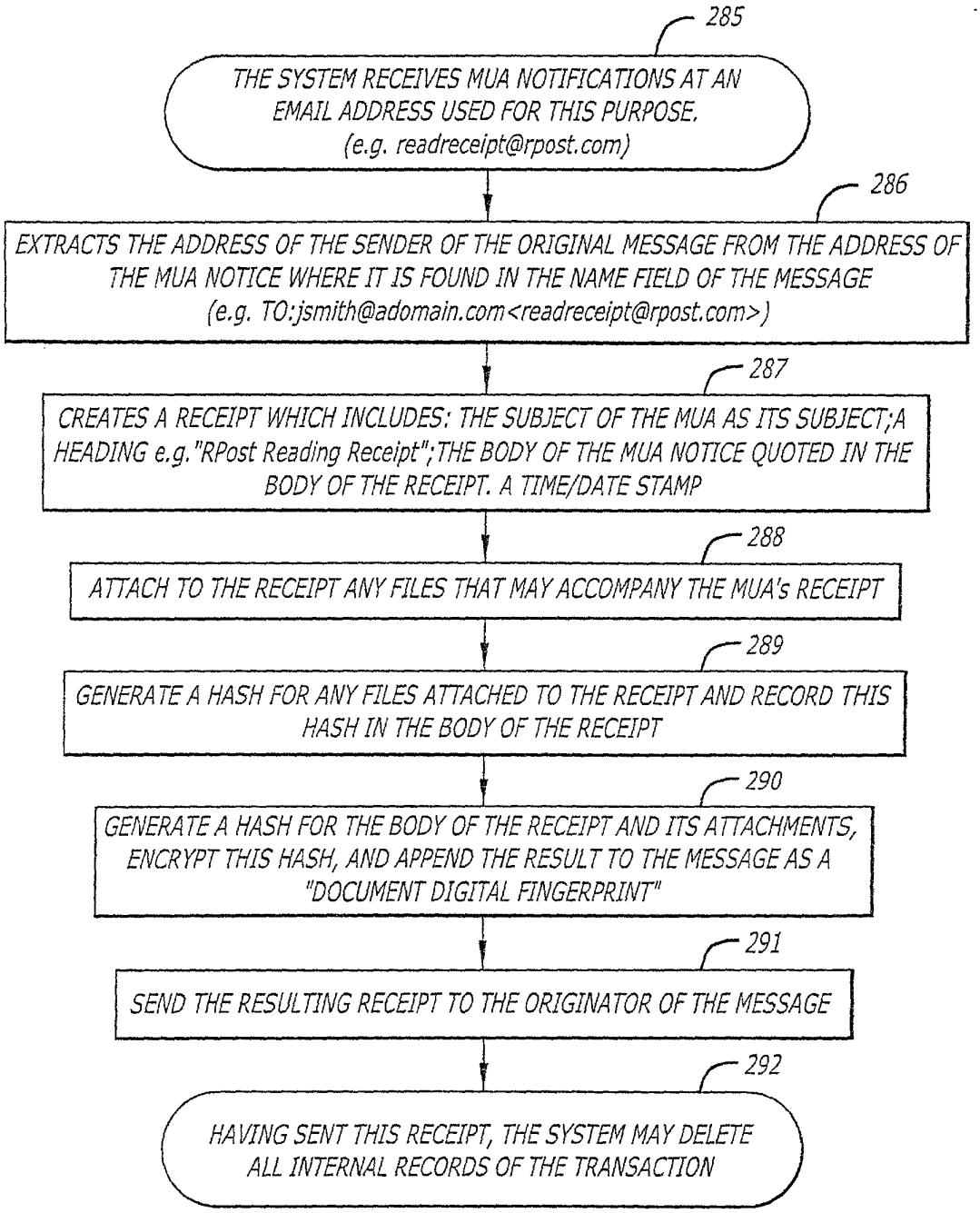

285
THE SYSTEM RECEIVES MUA NOTIFICATIONS AT AN EMAIL ADDRESS USED FOR THIS PURPOSE. (e.g. readreceipt@rpost.com)
286
EXTRACTS THE ADDRESS OF THE SENDER OF THE ORIGINAL MESSAGE FROM THE ADDRESS OF THE MUA NOTICE WHERE IT IS FOUND IN THE NAME FIELD OF THE MESSAGE (e.g. TO:jsmith@adomain.com<readreceipt@rpost.com>)
287
CREATES A RECEIPT WHICH INCLUDES: THE SUBJECT OF THE MUA AS ITS SUBJECT;A HEADING e.g."RPost Reading Receipt";THE BODY OF THE MUA NOTICE QUOTED IN THE BODY OF THE RECEIPT. A TIME/DATE STAMP
288
ATTACH TO THE RECEIPT ANY FILES THAT MAY ACCOMPANY THE MUA's RECEIPT
289
GENERATE A HASH FOR ANY FILES ATTACHED TO THE RECEIPT AND RECORD THIS HASH IN THE BODY OF THE RECEIPT
290
GENERATE A HASH FOR THE BODY OF THE RECEIPT AND ITS ATTACHMENTS, ENCRYPT THIS HASH, AND APPEND THE RESULT TO THE MESSAGE AS A "DOCUMENT DIGITAL FINGERPRINT"
291
SEND THE RESULTING RECEIPT TO THE ORIGINATOR OF THE MESSAGE
292
HAVING SENT THIS RECEIPT, THE SYSTEM MAY DELETE ALL INTERNAL RECORDS OF THE TRANSACTION

FIG. 2F

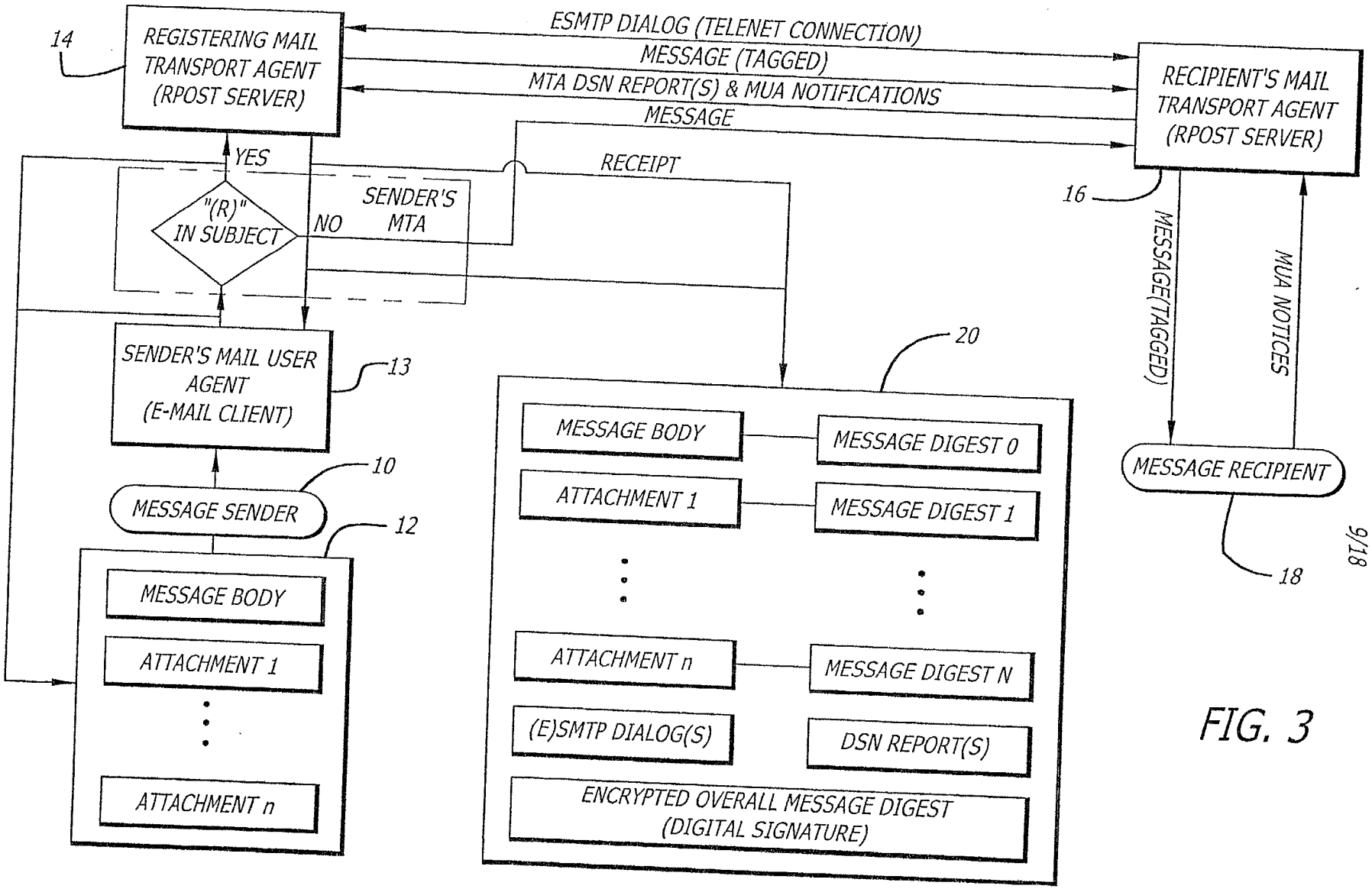

14
REGISTERING MAIL TRANSPORT AGENT (RPOST SERVER)
ESMTP DIALOG (TELENET CONNECTION)
MESSAGE (TAGGED)
MTA DSN REPORT(S) & MUA NOTIFICATIONS
MESSAGE
RECIPIENT'S MAIL TRANSPORT AGENT (RPOST SERVER)
16
YES
"(R)" IN SUBJECT
NO
SENDER'S MTA
RECEIPT
MESSAGE(TAGGED)
MUA NOTICES
SENDER'S MAIL USER AGENT (E-MAIL CLIENT)
13
20
MESSAGE BODY
MESSAGE DIGEST 0
ATTACHMENT 1
MESSAGE DIGEST 1
10
MESSAGE SENDER
12
MESSAGE BODY
ATTACHMENT 1
ATTACHMENT n
MESSAGE RECIPIENT
18
ATTACHMENT n
MESSAGE DIGEST N
(E)SMTP DIALOG(S)
DSN REPORT(S)
ENCRYPTED OVERALL MESSAGE DIGEST (DIGITAL SIGNATURE)

FIG. 3

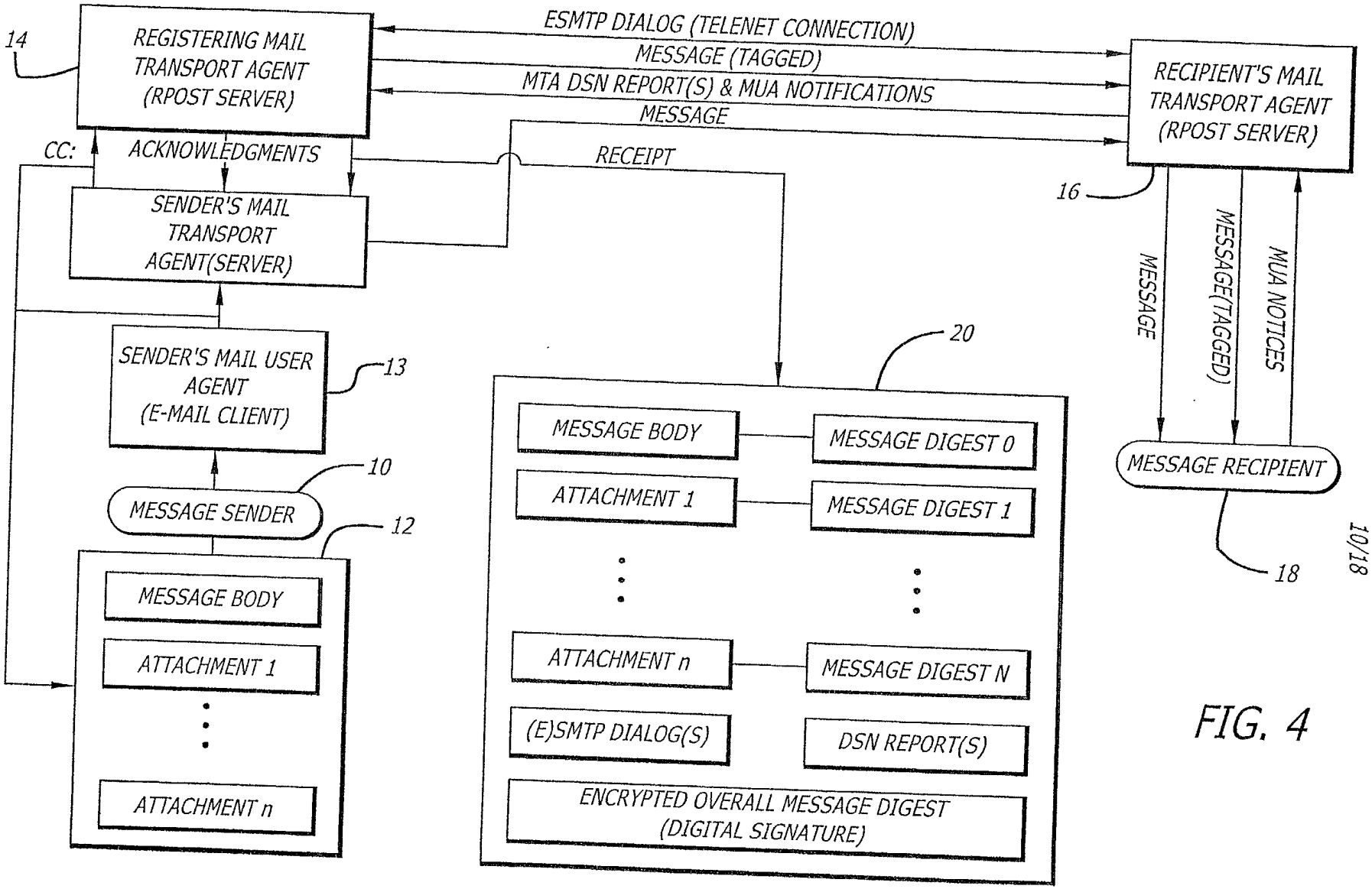

14
REGISTERING MAIL TRANSPORT AGENT (RPOST SERVER)
ESMTP DIALOG (TELENET CONNECTION)
MESSAGE (TAGGED)
MTA DSN REPORT(S) & MUA NOTIFICATIONS
MESSAGE
RECIPIENT'S MAIL TRANSPORT AGENT (RPOST SERVER)
CC:
ACKNOWLEDGMENTS
RECEIPT
16
SENDER'S MAIL TRANSPORT AGENT(SERVER)
MESSAGE
MESSAGE(TAGGED)
MUA NOTICES
SENDER'S MAIL USER AGENT (E-MAIL CLIENT)
13
20
MESSAGE BODY
MESSAGE DIGEST 0
ATTACHMENT 1
MESSAGE DIGEST 1
10
MESSAGE SENDER
12
MESSAGE BODY
ATTACHMENT 1
ATTACHMENT n
MESSAGE DIGEST N
(E)SMTP DIALOG(S)
DSN REPORT(S)
ENCRYPTED OVERALL MESSAGE DIGEST (DIGITAL SIGNATURE)
MESSAGE RECIPIENT
18

FIG. 4

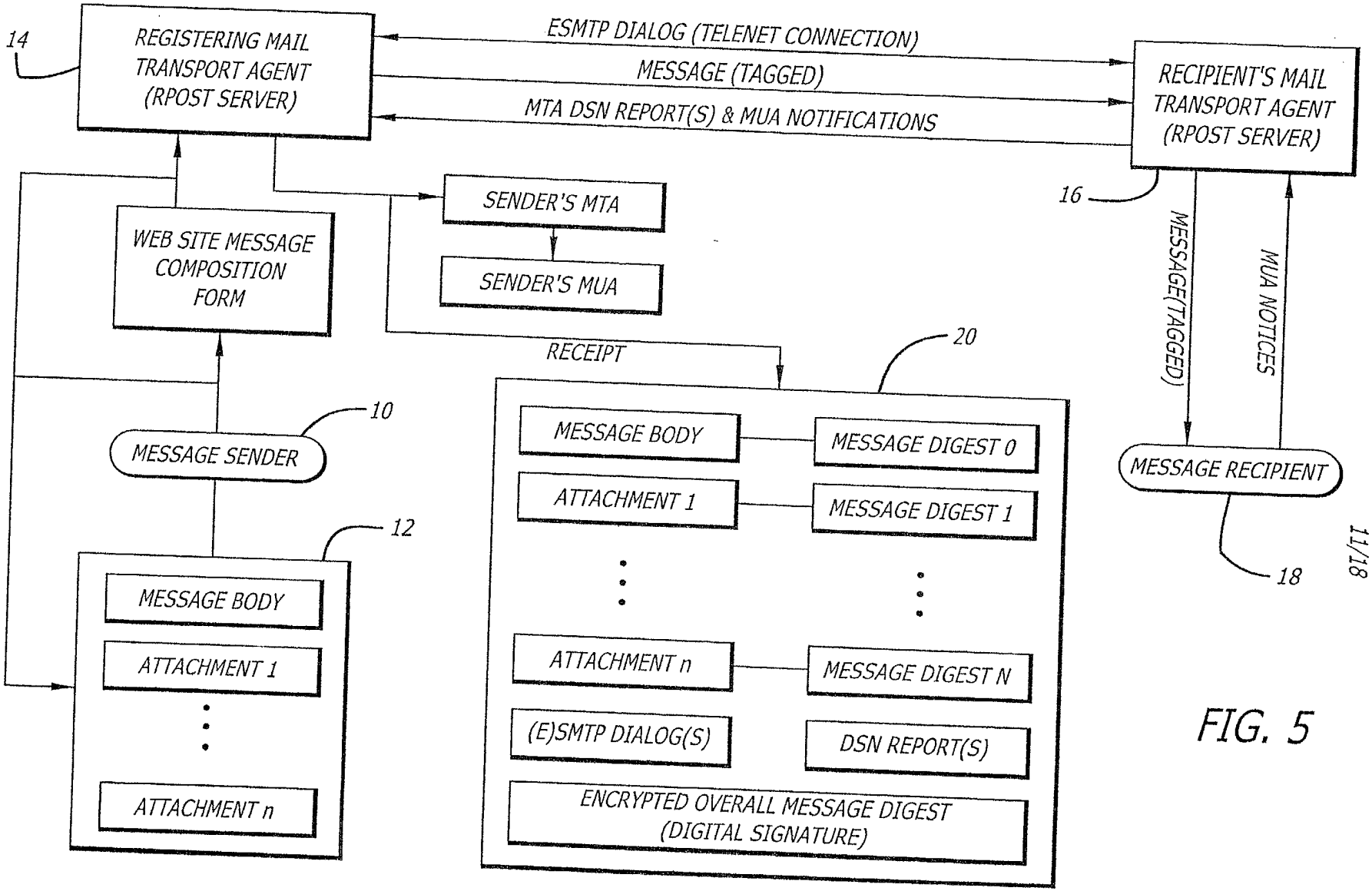

14
REGISTERING MAIL TRANSPORT AGENT (RPOST SERVER)
ESMTP DIALOG (TELENET CONNECTION)
MESSAGE (TAGGED)
MTA DSN REPORT(S) & MUA NOTIFICATIONS
RECIPIENT'S MAIL TRANSPORT AGENT (RPOST SERVER)
16
WEB SITE MESSAGE COMPOSITION FORM
SENDER'S MTA
SENDER'S MUA
MESSAGE(TAGGED)
MUA NOTICES
RECEIPT
20
10
MESSAGE SENDER
MESSAGE BODY
MESSAGE DIGEST 0
ATTACHMENT 1
MESSAGE DIGEST 1
MESSAGE RECIPIENT
18
12
MESSAGE BODY
ATTACHMENT 1
ATTACHMENT n
ATTACHMENT n
MESSAGE DIGEST N
(E)SMTP DIALOG(S)
DSN REPORT(S)
ENCRYPTED OVERALL MESSAGE DIGEST (DIGITAL SIGNATURE)

FIG. 5

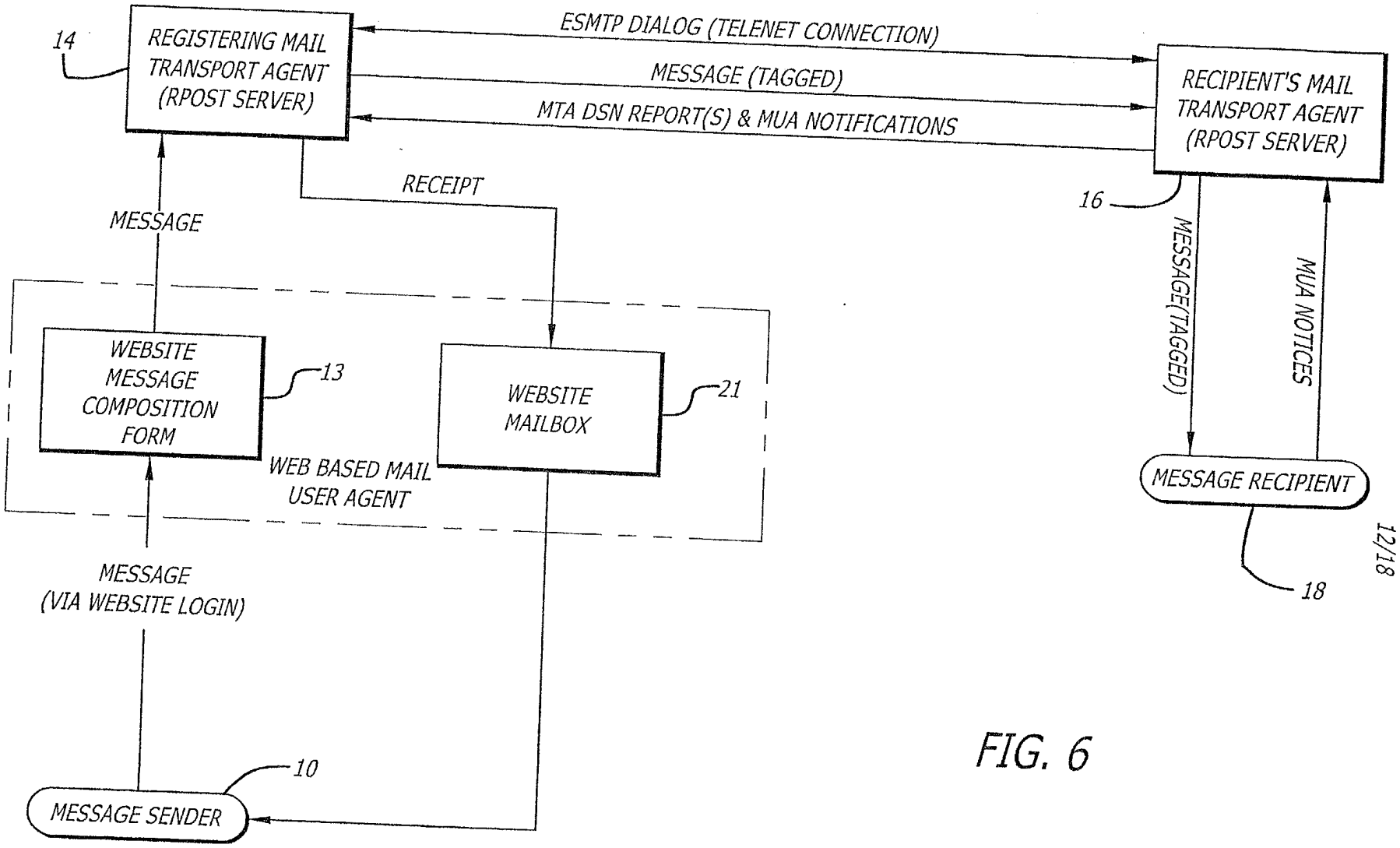

14
REGISTERING MAIL TRANSPORT AGENT (RPOST SERVER)
ESMTP DIALOG (TELENET CONNECTION)
MESSAGE (TAGGED)
MTA DSN REPORT(S) & MUA NOTIFICATIONS
RECIPIENT'S MAIL TRANSPORT AGENT (RPOST SERVER)
16
RECEIPT
MESSAGE
MESSAGE(TAGGED)
MUA NOTICES
WEBSITE MESSAGE COMPOSITION FORM
13
WEBSITE MAILBOX
21
WEB BASED MAIL USER AGENT
MESSAGE RECIPIENT
18
MESSAGE (VIA WEBSITE LOGIN)
10
MESSAGE SENDER

FIG. 6

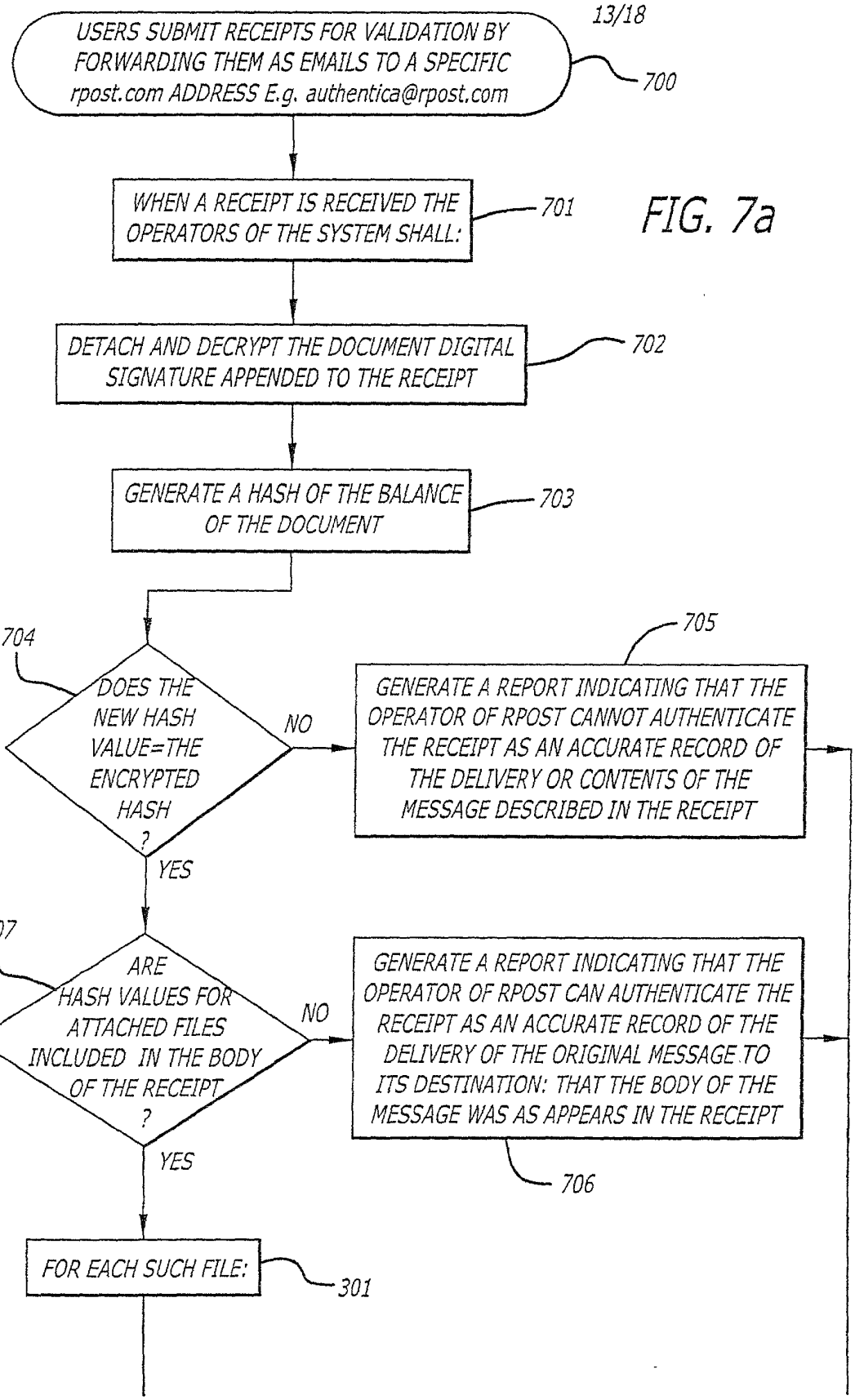


FIG. 7a

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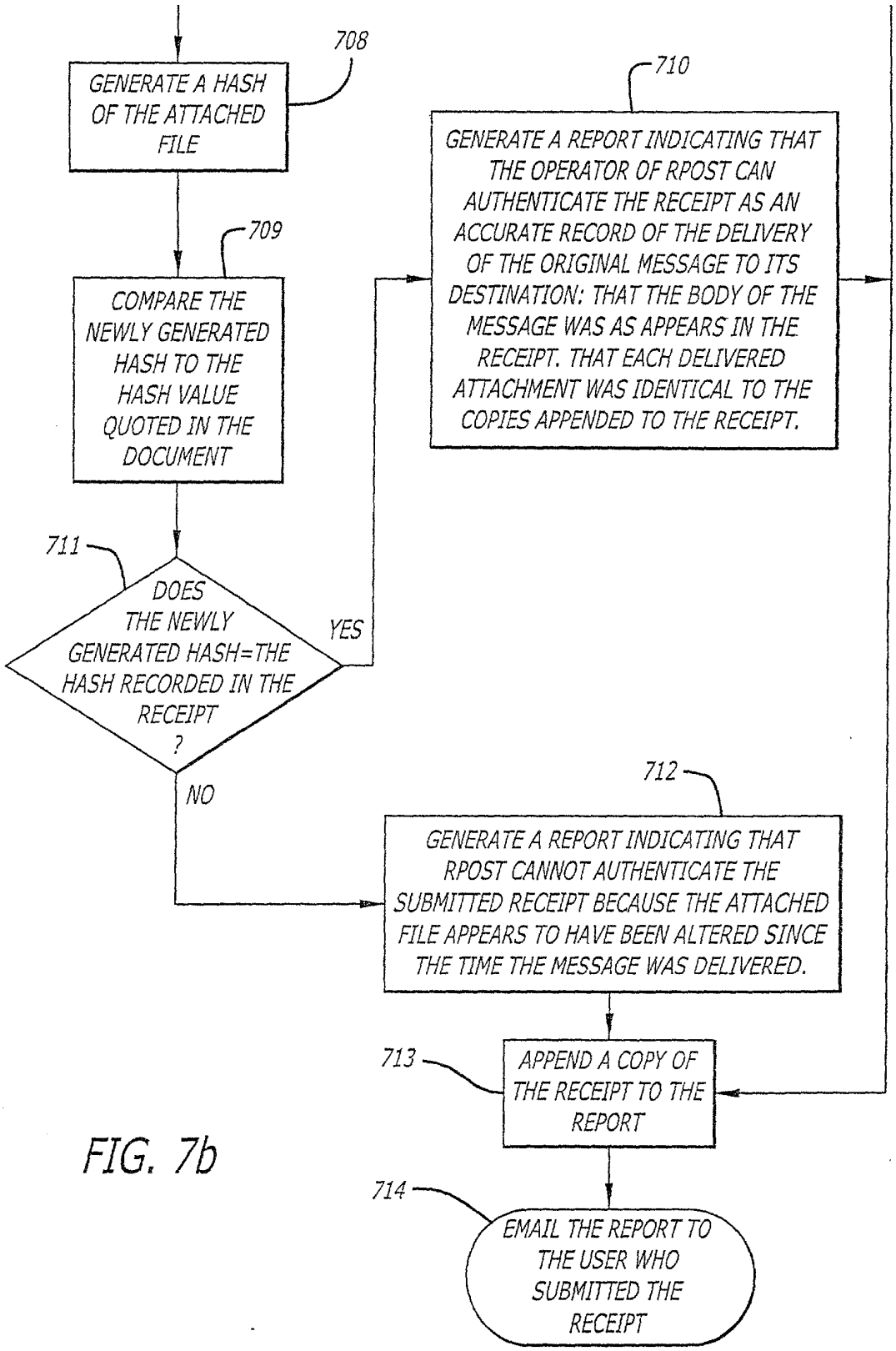


FIG. 7b

Docket #1005

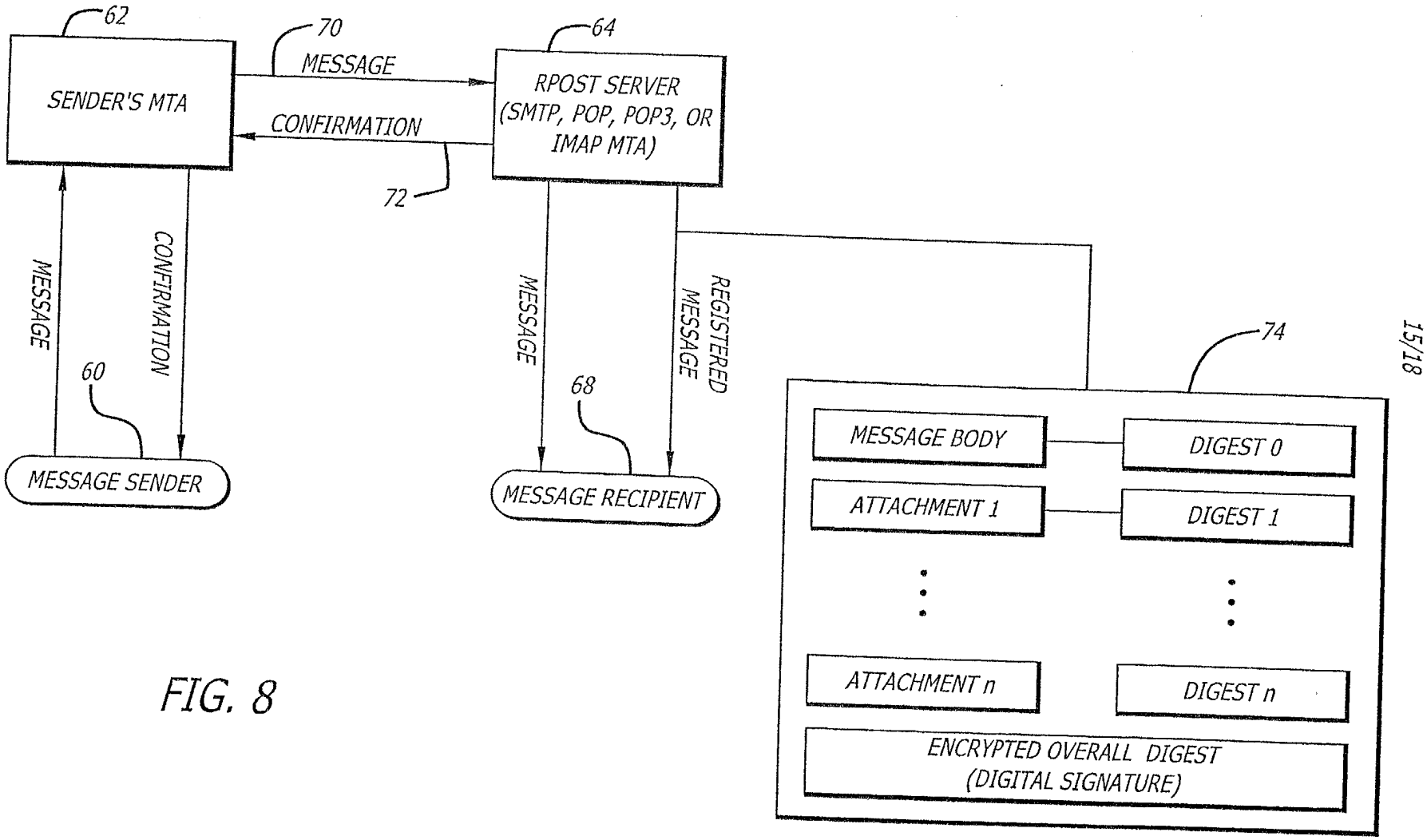
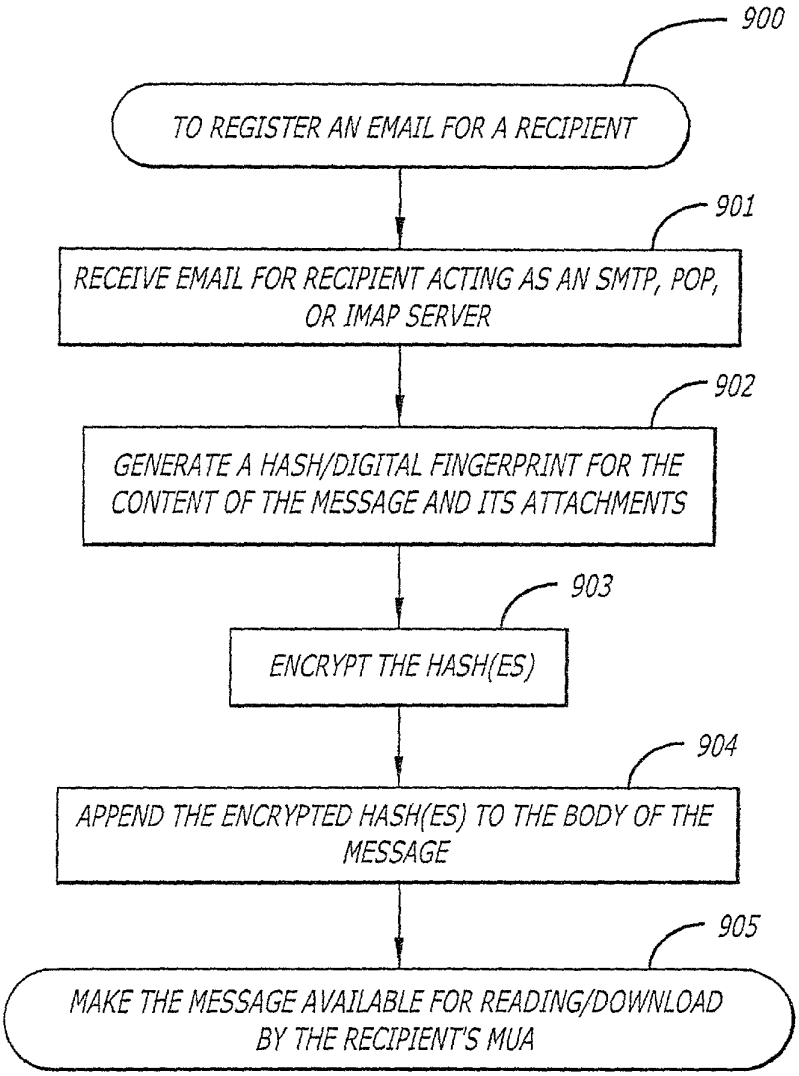

62
70
MESSAGE
64
SENDER'S MTA
RPOST SERVER
(SMTP, POP, POP3, OR
IMAP MTA)
CONFIRMATION
72
MESSAGE
CONFIRMATION
MESSAGE
REGISTERED
MESSAGE
74
60
68
MESSAGE SENDER
MESSAGE RECIPIENT
MESSAGE BODY
DIGEST 0
ATTACHMENT 1
DIGEST 1
ATTACHMENT n
DIGEST n
ENCRYPTED OVERALL DIGEST
(DIGITAL SIGNATURE)

FIG. 8

FIG. 9



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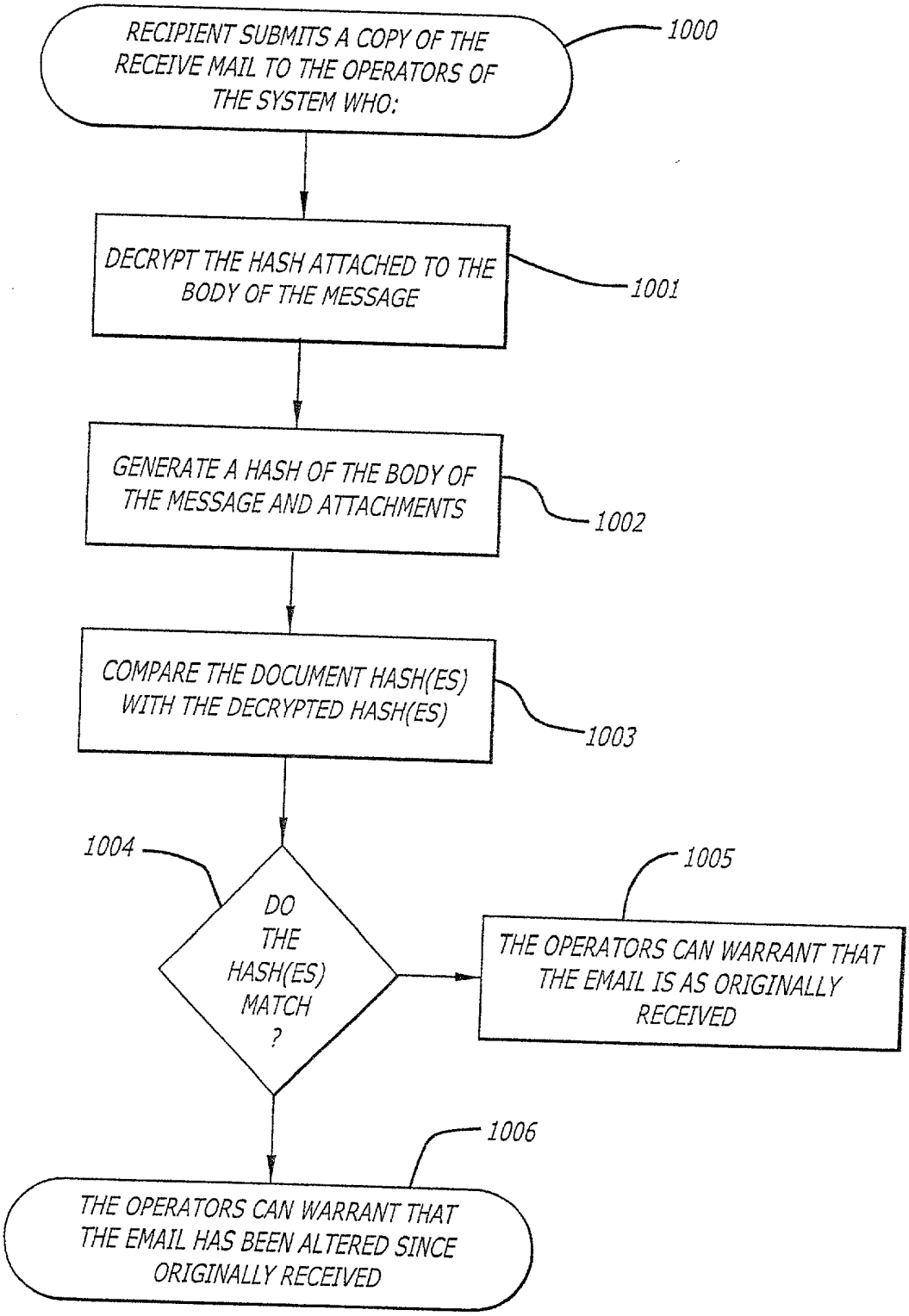

FIG. 10

Document - 2005-2-18

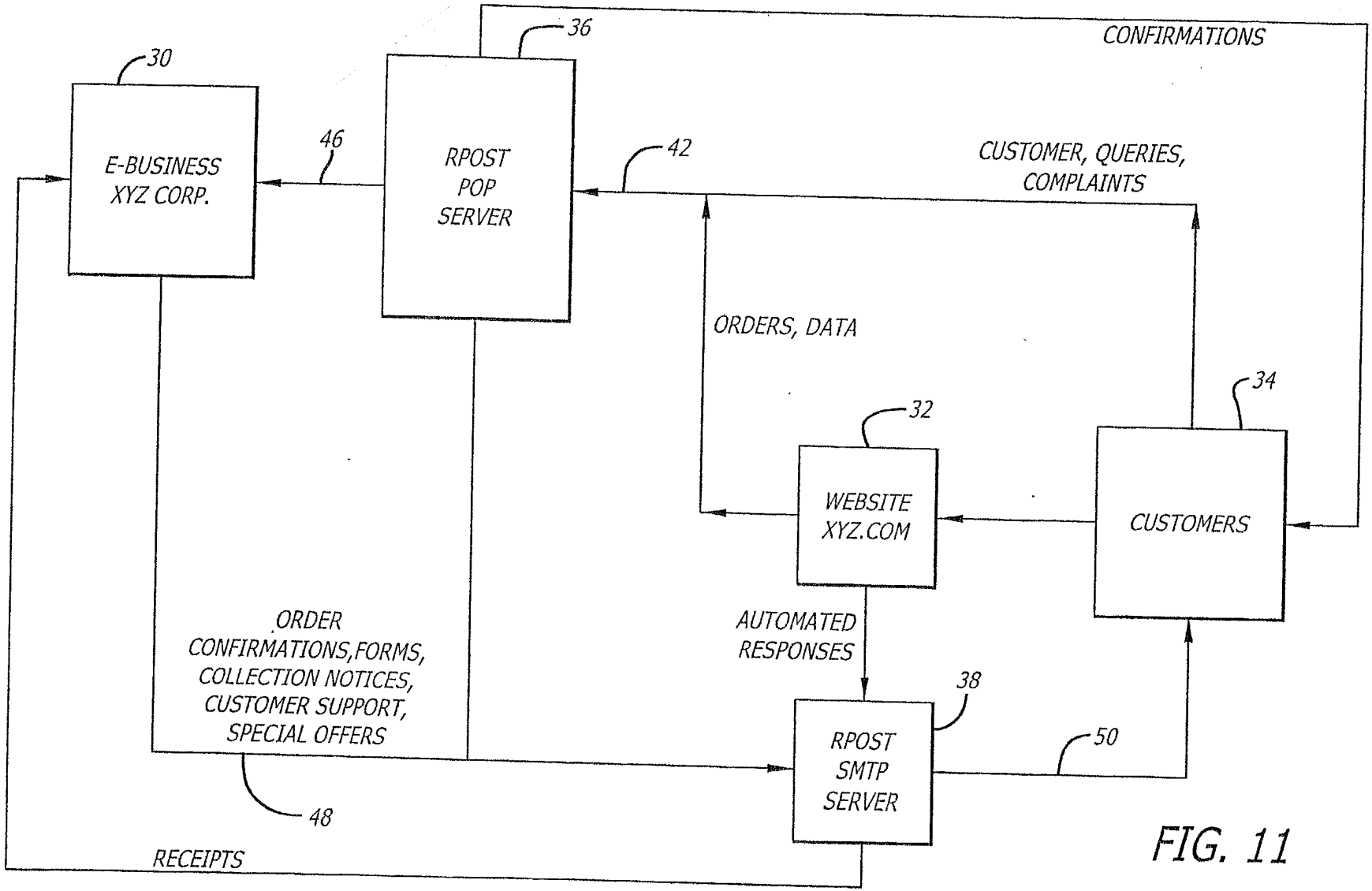
30
E-BUSINESS XYZ CORP.
46
36
RPOST POP SERVER
42
CONFIRMATIONS
CUSTOMER, QUERIES, COMPLAINTS
ORDERS, DATA
34
32
WEBSITE XYZ.COM
CUSTOMERS
AUTOMATED RESPONSES
38
RPOST SMTP SERVER
50
ORDER CONFIRMATIONS,FORMS, COLLECTION NOTICES, CUSTOMER SUPPORT, SPECIAL OFFERS
48
RECEIPTS

FIG. 11